

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/029087 A2

528630

22 MAR 2005

(51) International Patent Classification⁷: **C07K 14/705**

Bergholz-Rehbrücke (DE); MEYERHOF, Wolfgang
[DE/DE]; Schuberting 27, 22848 Norderstedt (DE).

(21) International Application Number:
PCT/EP2003/010691

(74) Agents: KRAUSS, Jan, B. et al.; Boehmert & Boehmert,
Pettenkoferstrasse 20-22, 80336 München (DE).

(22) International Filing Date:
25 September 2003 (25.09.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/413,298 25 September 2002 (25.09.2002) US

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*):
DEUTSCHES INSTITUT FÜR ERNÄHRUNGS-
FORSCHUNG [DE/DE]; Arthur-Scheunert-Allee
114-116, 14558 Bergholz-Rehbrücke (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BUFE, Bernd
[DE/DE]; Beelitzer Strasse 33H, 14548 Ferch (DE). HOF-
MANN, Thomas [DE/DE]; Tischlerweg 5, 48161 Mün-
ster-Roxel (DE). KRAUTWURST, Dietmar [DE/DE];
Am Rehgraben 25, 14558 Bergholz-Rehbrücke (DE).
KUHN, Christina [DE/DE]; Am Nuthetal 5, 14558

Published:

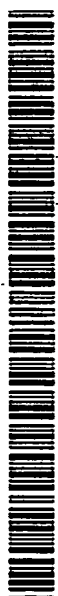
— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BITTER TASTE RECEPTORS

(57) Abstract: The present invention relates to novel bitter taste receptors and corresponding agonists as well as processes employ-
ing these bitter taste receptors in processes directed at the identification of antagonists and agonists.

BEST AVAILABLE COPY



WO 2004/029087 A2